

What is claimed is:

- 1           1. A stream data reproducing apparatus reading out  
2 stream data stored in a recording medium and reproducing  
3 the data, comprising:
  - 4           a reading processing portion for reading out the  
5 stream data stored in the recording medium;
  - 6           a reproduction processing portion for reproducing the  
7 read out stream data; and
  - 8           a monitoring processing portion for monitoring the  
9 reproduction of the stream data,
- 10          wherein,
  - 11          upon detecting that stream data corresponding to an  
12 action position specified in action definition information  
13 stored in the recording medium is reproduced, the monitoring  
14 processing portion notifying an application of the  
15 detection.
- 1           2. The stream data reproducing apparatus according  
2 to claim 1, wherein
  - 3           the action definition information has data to be  
4 transferred to the application at the time of notifying the  
5 application of the reproduction of the stream data

6 corresponding to the action position

1           3. The stream data reproducing apparatus according  
2 to claim 1, wherein  
3           the recording medium is a portable recording medium.

1           4. The stream data reproducing apparatus according  
2 to claim 2, wherein  
3           the recording medium is a portable recording medium.

1           5. A method of reproducing stream data according to  
2 which stream data stored in a recording medium is read out  
3 and reproduced, comprising the steps of:  
4           reading out action definition information from the  
5 recording medium;  
6           reading out the stream data from the recording medium  
7 and reproducing the data; and  
8           monitoring the reproduction of the stream data, and  
9 upon detecting that stream data corresponding to an action  
10 position specified in the action definition information is  
11 reproduced, notifying an application of the detection.

1           6. A recording medium recorded with a stream data  
2 reproducing program, the stream data reproducing program  
3 enabling a processing comprising the steps of:

4       reading out action definition information from the  
 5       recording medium;  
 6       reading out stream data from the recording medium;  
 7       reproducing the read out stream data; and  
 8       monitoring the reproduction of the stream data, and  
 9       upon detecting that stream data corresponding to an action  
 10      position specified in the action definition information is  
 11      reproduced, notifying an application of the detection.

1       7. A stream data reproducing program, comprising the  
 2       steps of:  
 3       reading out action definition information from a  
 4       recording medium;  
 5       reading out stream data from the recording medium;  
 6       reproducing the read out stream data; and  
 7       monitoring the reproduction of the stream data, and  
 8       upon detecting that stream data corresponding to an action  
 9       position specified in the action definition information is  
 10      reproduced, notifying an application of the detection.

1       8. A recording medium recorded with:  
 2       stream data;  
 3       action definition information to specify an action  
 4       position desired to cause an action by an application in  
 5       synchronization with the reproduction of the stream data;

6 and

7 a stream data reproducing program to allow the stream  
8 data to be read out and reproduced while monitoring the  
9 reproduction and upon detecting that stream data  
10 corresponding to the action position is reproduced,  
11 notifying the application of the detection.